

ECS Configuration Change Request

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Page(s)

1. Originator Henry Baez	2. Log Date: 04/07/03	3. CCR #: 03-0246	4. Rev: —	5. Tel: 301-925-1025	6. Rm #: 2101D	7. Dept. Sys Eng
8. CCR Title: Install PORTUS smwrap.5061 and message file patch in VATC and PVC firewalls.						
9. Originator Signature/Date Henry Baez /s/ 04/07/03			10. Class IN	11. Type: CCR	12. Need Date: 04-08-2003	
13. Office Manager Signature/Date Randy Haynes /s/ 04/07/03			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected:	
19. Release Affected by this Change: 6A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) There is a new vulnerability in sendmail. This vulnerability is based on mis-treatment of the ASCII character 255 in e-mail addresses in message headers. This vulnerability is based on the message headers, and thus can be passed to internal sendmail servers, not just the one on the firewall.						
24. Proposed Solution: (use additional sheets if necessary) Install and test Portus new version of smwrap which will convert the char (255) to char (127) before passing the message on to sendmail. IBM will also release a new sendmail client but for now replacing the sendmail proxy, smwrap, will provide the protection needed against this type of attack. This fix is for version of Portus 5.05. Need to have this install first.						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Failing to install this version of smwrap will put at risk security of internal sendmail servers.						
27. Justification for Emergency (If Block 15 is "Emergency"): This sendmail vulnerability is very risky and security notices state that exploits are not hard to write.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 4/7/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			